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OIPE

RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/10/091,442 TIME: 15:27:24

Input Set : N:\Crf3\RULE60\10091442.raw
Output Set: N:\CRF3\07022002\J091442.raw

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: TSUJIMOTO, Masafumi
IWASA, Fuyuki
TSUROUOKA, Nobuo
NAKAZATO, Hiroshi
MIURA, Kenju
ISHIDA, Nobuhiro
KURIHARA, Tatsuya
YAMAICHI, Kozo
YAMAGUCHI, Nozomi

(ii) TITLE OF INVENTION: MEGAKARYOCYTE DIFFERENTIATION FACTOR

(iii) NUMBER OF SEQUENCES: 34

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Burns, Doane, Swecker & Mathis
(B) STREET: P.O. Box 1404
(C) CITY: Alexandria
(D) STATE: Virginia
(E) COUNTRY: United States
(F) ZIP: 22313-1404

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:
C--> **(A) APPLICATION NUMBER: US/10/091,442**
C--> **(B) FILING DATE: 07-Mar-2002**
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US/09/140,719
(B) FILING DATE: 08-AUG-1998
(A) APPLICATION NUMBER: US 08/474,661
(B) FILING DATE: 07-JUN-1995
(A) APPLICATION NUMBER: US 08/091,028
(B) FILING DATE: 14-JUL-1993
(A) APPLICATION NUMBER: JP 4-212305
(B) FILING DATE: 17-JUL-1992
(A) APPLICATION NUMBER: JP 6-067339
(B) FILING DATE: 04-MAR-1993

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: McGowan, Malcolm K.
(B) REGISTRATION NUMBER: 39,300

RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/10/091,442 TIME: 15:27:24

Input Set : N:\Crf3\RULE60\10091442.raw
Output Set: N:\CRF3\07022002\J091442.raw

```
63           (C) REFERENCE/DOCKET NUMBER: 001560-247
65      (ix) TELECOMMUNICATION INFORMATION:
66           (A) TELEPHONE: (703) 836-6620
67           (B) TELEFAX: (703) 836-2021
70  (2) INFORMATION FOR SEQ ID NO: 1:
72       (i) SEQUENCE CHARACTERISTICS:
73           (A) LENGTH: 9 amino acids
74           (B) TYPE: amino acid
75           (C) STRANDEDNESS: single
76           (D) TOPOLOGY: linear
78      (ii) MOLECULE TYPE: peptide
80      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
82       Ser Glu Thr Ile Asn Cys His Phe Lys
83       1               5
86  (2) INFORMATION FOR SEQ ID NO: 2:
88       (i) SEQUENCE CHARACTERISTICS:
89           (A) LENGTH: 7 amino acids
90           (B) TYPE: amino acid
91           (C) STRANDEDNESS: single
92           (D) TOPOLOGY: linear
94      (ii) MOLECULE TYPE: peptide
96      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
98       Trp Gln Ser Ala Phe Thr Lys
99       1               5
102 (2) INFORMATION FOR SEQ ID NO: 3:
104      (i) SEQUENCE CHARACTERISTICS:
105          (A) LENGTH: 19 amino acids
106          (B) TYPE: amino acid
107          (C) STRANDEDNESS: single
108          (D) TOPOLOGY: linear
110     (ii) MOLECULE TYPE: peptide
112     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
114      Val Glu Arg Val Asp Phe Thr Asn His Leu Glu Asp Thr Arg Arg Asn
115      1               5                   10                  15
117      Ile Asn Lys
121 (2) INFORMATION FOR SEQ ID NO: 4:
123      (i) SEQUENCE CHARACTERISTICS:
124          (A) LENGTH: 17 amino acids
125          (B) TYPE: amino acid
126          (C) STRANDEDNESS: single
127          (D) TOPOLOGY: linear
129     (ii) MOLECULE TYPE: peptide
131     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
133      Ser Tyr Ile Glu Val Thr Glu Glu Gly Thr Glu Ala Thr Ala Ala Thr
134      1               5                   10                  15
136      Gly
140 (2) INFORMATION FOR SEQ ID NO: 5:
142      (i) SEQUENCE CHARACTERISTICS:
143          (A) LENGTH: 9 amino acids
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RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/10/091,442 TIME: 15:27:24

Input Set : N:\Crf3\RULE60\10091442.raw
Output Set: N:\CRF3\07022002\J091442.raw

```
144           (B) TYPE: amino acid
145           (C) STRANDEDNESS: single
146           (D) TOPOLOGY: linear
148      (ii) MOLECULE TYPE: peptide
150      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
152       Gln Tyr Leu Arg Ala Leu Gly Leu Lys
153       1               5
156  (2) INFORMATION FOR SEQ ID NO: 6:
158       (i) SEQUENCE CHARACTERISTICS:
159           (A) LENGTH: 20 amino acids
160           (B) TYPE: amino acid
161           (C) STRANDEDNESS: single
162           (D) TOPOLOGY: linear
164      (ii) MOLECULE TYPE: peptide
166      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
168       Ala Asp Leu Ser Gly Ile Ala Ser Gly Gly Arg Leu Tyr Ile Ser Arg
169       1               5                   10                  15
171       Met Met Gly Lys
172                   20
175  (2) INFORMATION FOR SEQ ID NO: 7:
177       (i) SEQUENCE CHARACTERISTICS:
178           (A) LENGTH: 5 amino acids
179           (B) TYPE: amino acid
180           (C) STRANDEDNESS: single
181           (D) TOPOLOGY: linear
183      (ii) MOLECULE TYPE: peptide
185      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
187       Leu Tyr Asp Ala Lys
188       1               5
191  (2) INFORMATION FOR SEQ ID NO: 8:
193       (i) SEQUENCE CHARACTERISTICS:
194           (A) LENGTH: 5 amino acids
195           (B) TYPE: amino acid
196           (C) STRANDEDNESS: single
197           (D) TOPOLOGY: linear
199      (ii) MOLECULE TYPE: peptide
201      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
203       Asn Tyr Glu Met Lys
204       1               5
207  (2) INFORMATION FOR SEQ ID NO: 9:
209       (i) SEQUENCE CHARACTERISTICS:
210           (A) LENGTH: 10 amino acids
211           (B) TYPE: amino acid
212           (C) STRANDEDNESS: single
213           (D) TOPOLOGY: linear
215      (ii) MOLECULE TYPE: peptide
217      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
219       Ala Val Ala Met Met His Gln Glu Arg Lys
220       1               5                   10
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RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/10/091,442 TIME: 15:27:24

Input Set : N:\Crf3\RULE60\10091442.raw
Output Set: N:\CRF3\07022002\J091442.raw

(2) INFORMATION FOR SEQ ID NO: 10:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 38 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: misc_feature
(B) LOCATION: 3..31
(D) OTHER INFORMATION: /note= "Corresponding to amino acid sequence of SEQ ID NO: 3; N is inosine."
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
GTNGARNNNG TNGAYTTYAC NAAYCAYYTN GARGAYAC 38

(2) INFORMATION FOR SEQ ID NO: 11:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 32 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: misc_feature
(B) LOCATION: 9..28
(D) OTHER INFORMATION: /note= "Corresponding to amino acid sequence of SEQ ID NO: 4; N is inosine."
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
TACATCGANG TNACNGARGA RGGNACNGAR GC 32

(2) INFORMATION FOR SEQ ID NO: 12:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 37 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: misc_feature
(B) LOCATION: 1..37
(D) OTHER INFORMATION: /note= "Oligomer attached to 3'-RACE kit (Gibco BRL)."
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
GGCCACGCGT CGACTAGTAC TTTTTTTTTT TTTTTTT 37

(2) INFORMATION FOR SEQ ID NO: 13:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 20 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)

RAW SEQUENCE LISTING DATE: 07/02/2002
PATENT APPLICATION: US/10/091,442 TIME: 15:27:24

Input Set : N:\Crf3\RULE60\10091442.raw
Output Set: N:\CRF3\07022002\J091442.raw

295 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
297 ATGTTGTGGG GACTGCTATA 20
300 (2) INFORMATION FOR SEQ ID NO: 14:
302 (i) SEQUENCE CHARACTERISTICS:
303 (A) LENGTH: 23 base pairs
304 (B) TYPE: nucleic acid
305 (C) STRANDEDNESS: single
306 (D) TOPOLOGY: linear
308 (ii) MOLECULE TYPE: DNA (genomic)
310 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
312 CAAGGCGAAT GACCTCTAAG TAT 23
315 (2) INFORMATION FOR SEQ ID NO: 15:
317 (i) SEQUENCE CHARACTERISTICS:
318 (A) LENGTH: 21 base pairs
319 (B) TYPE: nucleic acid
320 (C) STRANDEDNESS: single
321 (D) TOPOLOGY: linear
323 (ii) MOLECULE TYPE: DNA (genomic)
327 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
329 CCCCGAAGCA ATCCCAGAGA G 21
332 (2) INFORMATION FOR SEQ ID NO: 16:
334 (i) SEQUENCE CHARACTERISTICS:
335 (A) LENGTH: 21 base pairs
336 (B) TYPE: nucleic acid
337 (C) STRANDEDNESS: single
338 (D) TOPOLOGY: linear
340 (ii) MOLECULE TYPE: DNA (genomic)
342 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
344 CTCAGGCAGC AGAACGTACA T 21
347 (2) INFORMATION FOR SEQ ID NO: 17:
349 (i) SEQUENCE CHARACTERISTICS:
350 (A) LENGTH: 21 base pairs
351 (B) TYPE: nucleic acid
352 (C) STRANDEDNESS: single
353 (D) TOPOLOGY: linear
355 (ii) MOLECULE TYPE: DNA (genomic)
357 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
359 GGCGACGACT CCTGGAGCCC G 21
362 (2) INFORMATION FOR SEQ ID NO: 18:
364 (i) SEQUENCE CHARACTERISTICS:
365 (A) LENGTH: 22 base pairs
366 (B) TYPE: nucleic acid
367 (C) STRANDEDNESS: single
368 (D) TOPOLOGY: linear
370 (ii) MOLECULE TYPE: DNA (genomic)
372 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
374 GACACCAGAC CAACTGGTAA TG 22
377 (2) INFORMATION FOR SEQ ID NO: 19:
379 (i) SEQUENCE CHARACTERISTICS:

VERIFICATION SUMMARY DATE: 07/02/2002
PATENT APPLICATION: **US/10/091,442** TIME: 15:27:25

Input Set : **N:\Crf3\RULE60\10091442.raw**
Output Set: **N:\CRF3\07022002\J091442.raw**

L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:671 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:30